

Forest Insect & Disease Management Group, S&PF  
2500 Shreveport Highway  
Pineville, Louisiana 71360

5230 - Evaluation

June 15, 1976

Service Trip to Ouachita Seed Orchard

Forest Supervisor  
Ouachita N.F.

ATTN: Robert Kitchens, District Ranger  
Ouachita District

A service trip was conducted to the Ouachita Seed Orchard, Mt. Ida, Arkansas, by H. A. Overgaard on June 8, 1976. The purpose of the trip was to observe the application of Guthion® for insect control at the Orchard.

Generally, all safety precautions were being followed in handling and applying Guthion®.

The dosage rate being used was 12 pints of Guthion® 2L to 100 gallons of water using approximately a quart of solution per tree applied by means of an airblast (low volume) sprayer. The registered dosage rate for coneworm control using a low volume sprayer, however, is 30 pints/100 gallons of water using 1-2 gallons per tree.

A minimum average of 0.5 gallons of the above mixture per tree would suffice since trees at the Ouachita are relatively small.

Although the dosage being used at the orchard was sufficiently high for tip moth control, it was not for coneworm control. Coneworms are one of the major insects for which Guthion® is being applied to the orchard, therefore, the 30 pints per 100 gallons rate should be used.

The above information was discussed with Ranger Kitchens and he agreed to make the needed change in dosage rate. If you have any questions about the above recommendations, please let us know.

ROBERT C. LOOMIS

ROBERT C. LOOMIS  
Field Representative  
Forest Insect & Disease Management

cc: G. D. Hertel

NAC:jw